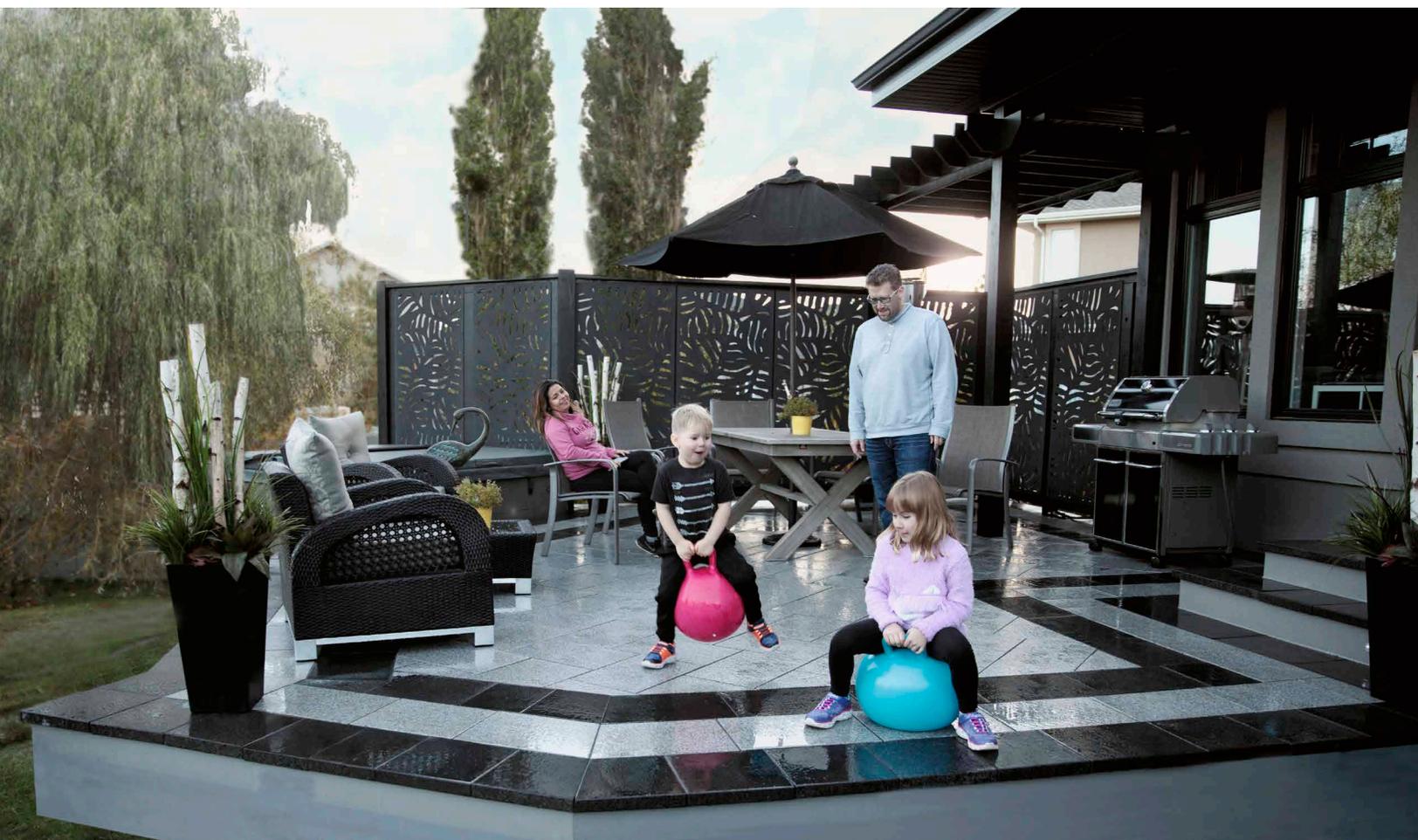


STONEDECKS

| Tanzite Owners Manual |



CAN'T SCRATCH | WON'T FADE | DOESN'T STAIN*

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- Deck Measurement Calculator
- How to build
 - How to build a deck
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*compared to wood-plastic composite ASTM testing

Our marketing slogan "Can't Scratch, Won't fade, Doesn't Stain" is to meant to highlight the fact that Tanzite stone product conforming to ANSI A137-1-2017 standards will not scratch, will not fade, and will not stain when subjected to wood-plastic composite ASTM D7032-17 testing standards.

DECK MEASUREMENT CALCULATOR

The deck can of course be made to any measurement, however, this chart is an easy guide to follow in order to build the deck structure so that you can minimize cuts to the Tanzite stones. This chart assumes you will be skirting the sides of the deck with a 10mm thick product like Hardi Board. Note that the deck width is different then the deck depth, w adjusting so that perimeter stones are not used on one side, assuming that side is against the house.

Stone Tiles

Desired dimension (actual)	7' (2116)	8' (2420)	9' (2724)	10' (3028)	11' (3332)	12' (3636)	13' (3940)	14' (4244)	15' (4548)	16' (4852)
Structure width	2040	2344	2648	2952	3256	3560	3864	4168	4472	4776
Structure depth	2084	2388	2692	2996	3300	3604	3908	4212	4516	4820

All dimensions are millimeters unless otherwise stated

Wood Tiles

Desired dimension (actual)	7' (2144)	8' (2344)	9' (2752)	10' (2956)	11' (3364)	12' (3568)	13' (3976)	14' (4180)	15' (4588)	16' (4792)
Structure depth	2102	2306	2714	2918	3326	3530	3938	4242	4550	4754

Here is a handy formula to cut the perfect stair stringer, all measurements are in millimeters.

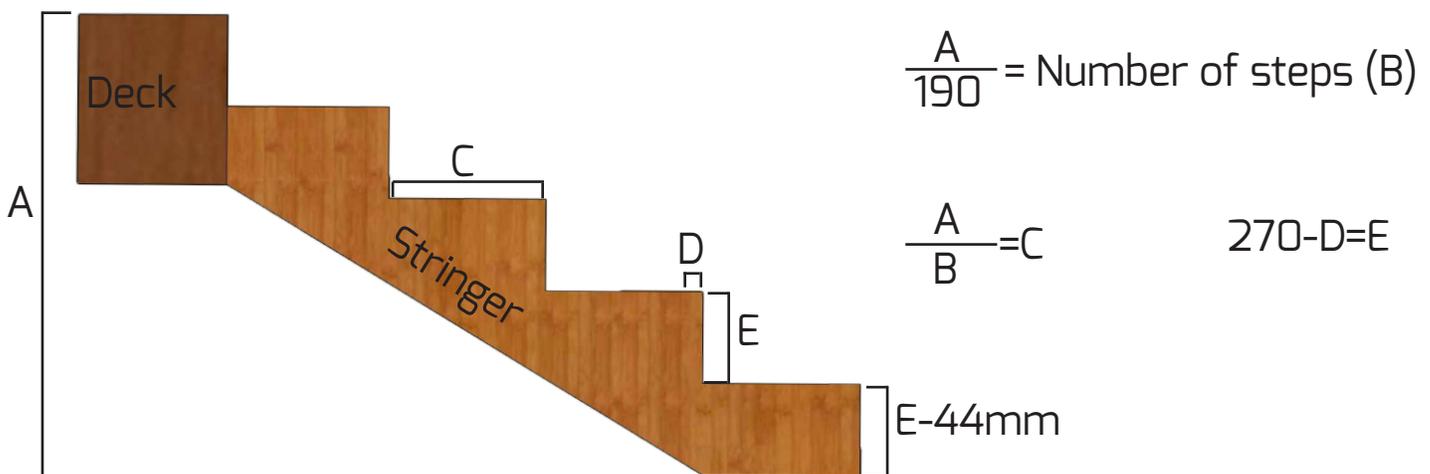
A= Distance from the top of the finished stone height of the deck to the ground that stairs will rest on

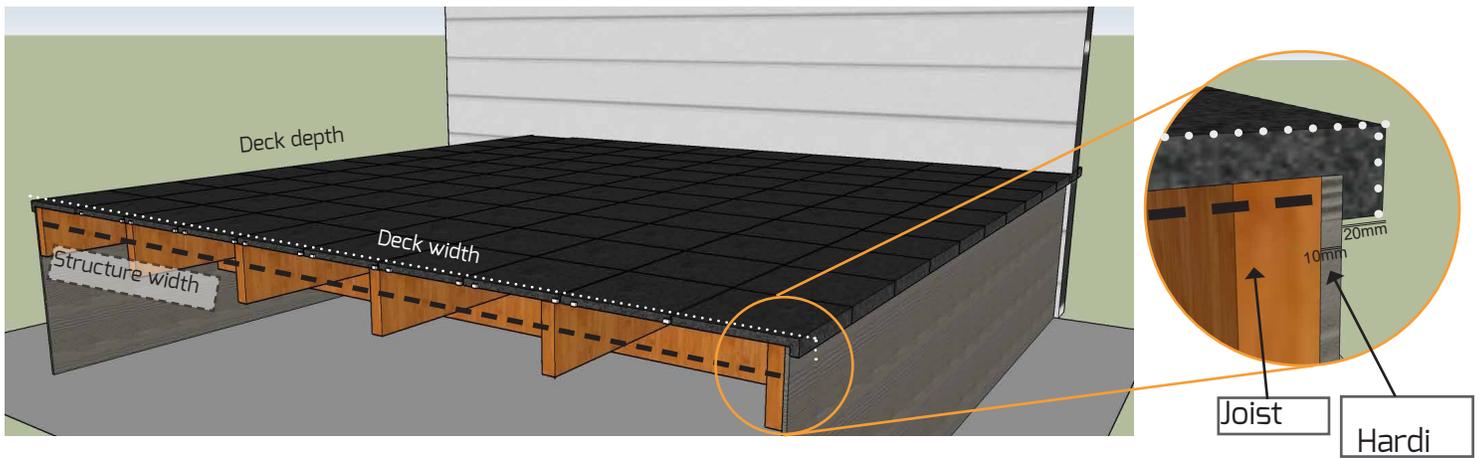
B= Number of steps (round up to the nearest whole number)

C= Step tread/run

D= The thickness of what you will cover the vertical sides (risers) of the stairs with

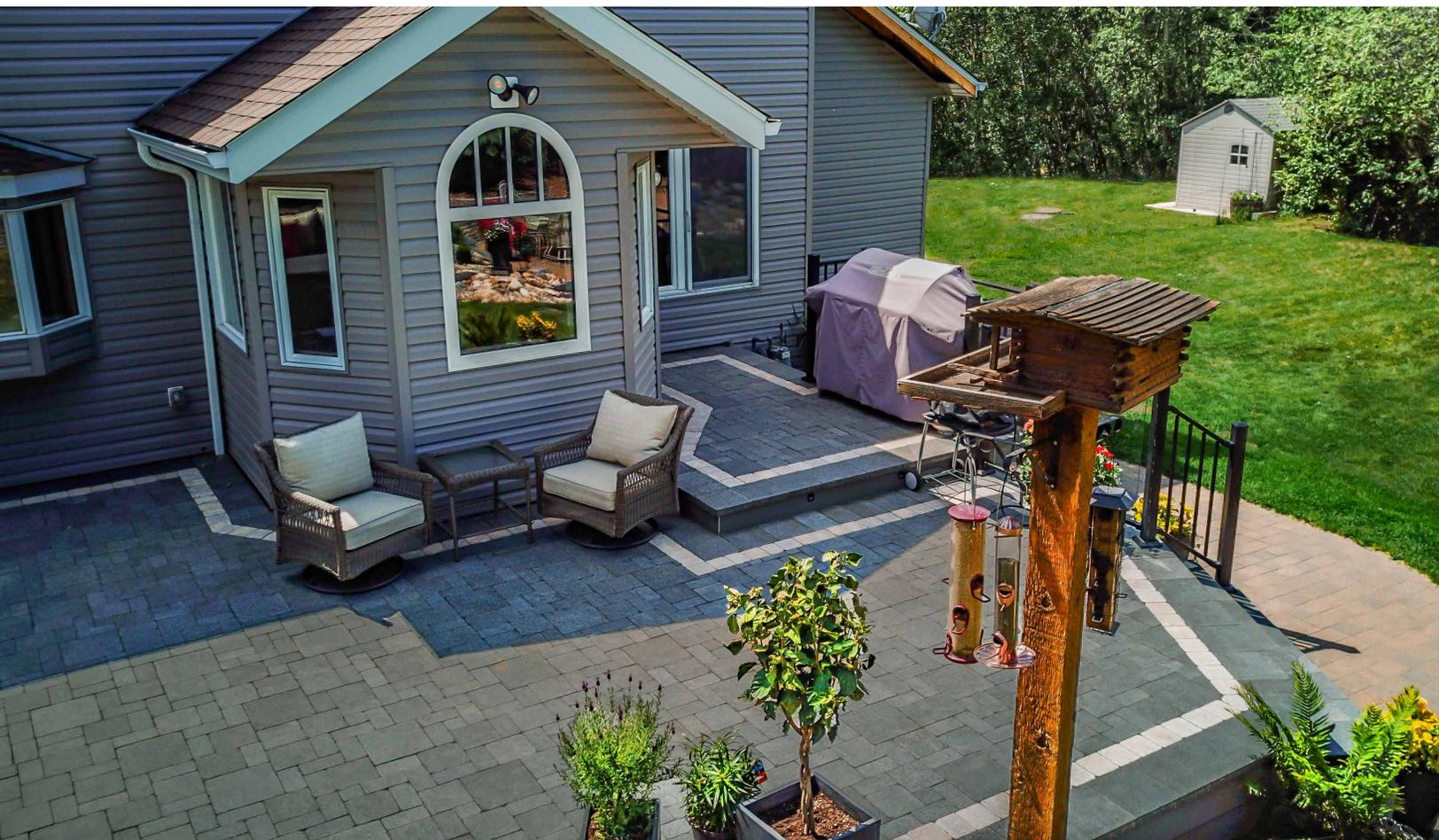
E= Step rise





Building stairs without needing to cut the Tanzite will make them quicker to build. To achieve this, assuming you will install a 10mm siding (like Hardi Board), it is ideal if the stairs can be a width that is a multiple of 298 millimeters. Then make the wood stair structure 38 millimeters less if one corner stone is used; or 76 millimeters less if two corner stones are used. The depth of the step structure should always be 260 millimeters.

For wood stairs the ideal width would be a width of 1504mm if one corner stone is used, and 1808 if two corners are used. Again, reduce the structure 38 millimeters per corner stone used. The depth of the step structure should always be 266 millimeters for wood colors.



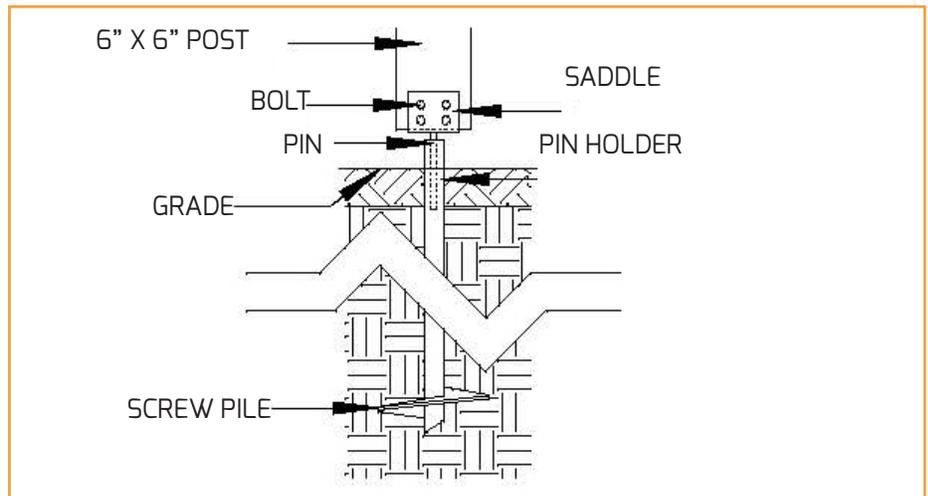
HOW TO BUILD A DECK

Foundation

Stonedeck is flexible so there are many foundations that can work well; such as, concrete pads, concrete piles, and engineered screw piles. One of the simplest foundations is using small screw piles. They are easily screwed into the ground by hand so you don't need a machine.



1. Determine where each pile is to be located and ensure there are no buried hazards, like a gas line, where you will put each pile.
2. Use a board as a lever by placing it in the top of the pile, then walk around in a circle until the pile is in the ground



Ledger Board



1. Determine the desired finish height of the deck. Then determine the thickness of the stone, the membrane, and the plywood; these typically add up to 1 3/4". This is a good height for the ledger board. It is not critical that the ledger board be specifically at this height as you can adjust the final height of the joists.
2. Attach the ledger board to the house using lag bolt, or other load rated fasteners.



*This is a guide for informational purposes only

*This section is meant as a guide only, *always check your local building codes.*

Post and Beam



1. Build a beam for the length you will need
2. Determine the height you will need for each post. To account for slope you should drop $\frac{1}{8}$ " to $\frac{1}{4}$ " per foot for proper drainage of the deck. Therefore if your posts are 12 feet from your house then the beam should drop $1\frac{1}{2}$ " - 3".
3. Cut each post by measuring the height from the top of each pile to the bottom of the desired height of the beam.

Joists

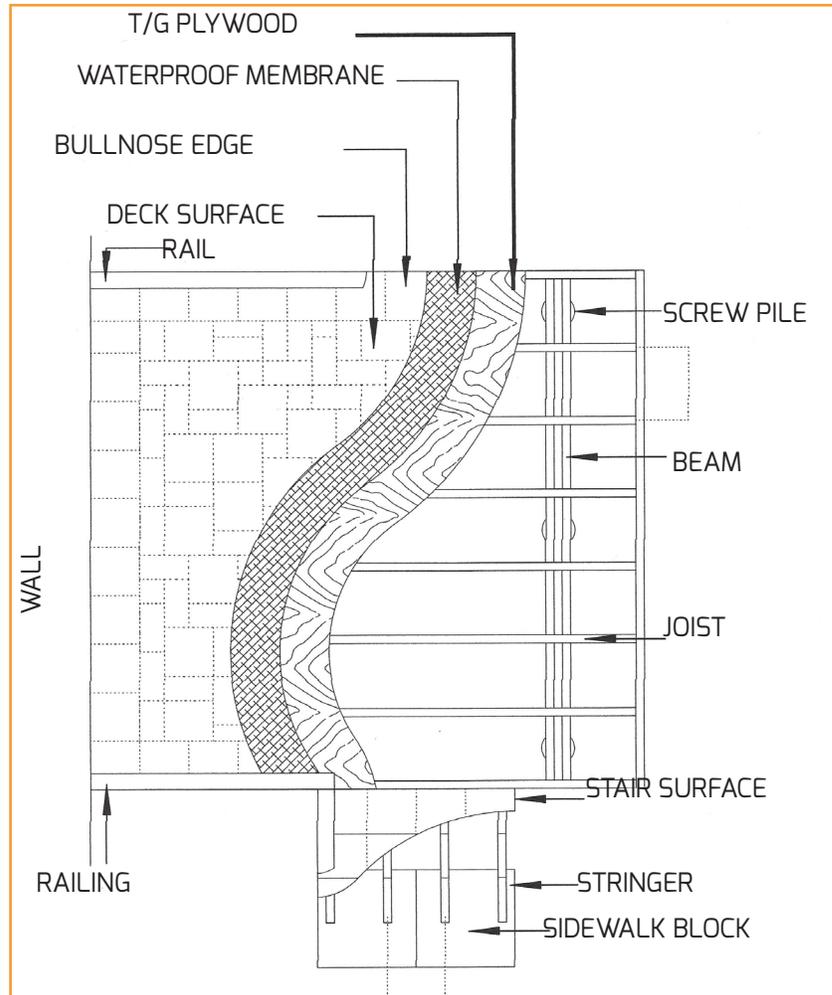


1. Determine the desired finish height of the deck. Then determine the thickness of the stone, the membrane, and the plywood; these typically add up to $1\frac{3}{4}$ "
2. Install joist hangers onto the ledger board at the correct height.
3. Space the joists evenly, typically 18" on centre.
4. When placing each joist ensure that any crown, or arch, to the wood faces upward
5. Double check that you have the appropriate slope away from the house. You should drop $\frac{1}{8}$ " to $\frac{1}{4}$ " per foot for proper drainage of the deck.
6. Install spacers in between the joists in about the midway length of the joist.
7. Install a rim board at the open side of the joists.
8. Install extra bracing where railing posts will mount.

Plywood



1. Lay out the tongue & groove plywood so that the seams are off-set.
2. Use a chalk line to create a line on the plywood, on top of the joists.
3. Fasten the plywood to the joists.



* These instructions, guides, and “how-to’s” are provided for informational purposes only. The information contained herein is intended to provide general guidelines to simplify your project. Because tools, products, materials, techniques, building codes, and other regulations are continually changing, Tanzite STONEDECKS assumes no responsibility for the accuracy of information contained herein and disclaims any liability for the omissions, errors, or the outcome of any project. It is the responsibility of the installer or user to ensure compliance with all applicable laws, rules, codes and regulations for their project. The installer or user must always take proper safety precautions and exercise caution when taking on any project. If there is any question of doubt in regards to any element of a project, please consult a licensed professional.

Steps



1. Determine the height from the top of the finished deck to the lowest point on the ground, where the stairs will meet the ground.
2. Take that height and divide by $7\frac{1}{2}$ ", then round up to determine the number of rises you will need (Example if the total height is 48" divided by 7.5" is 6.4 rounded up is 7 so you will need 7 rises)



3. Then divide total height by the number of rises needed to determine the rise height (Example 48" divided by 7 is $6\frac{7}{8}$ "). The run should always be $10\frac{1}{2}$ " to work perfectly for the stone.



4. Cut your stair stringers using the determined rise and $10\frac{1}{2}$ " run
5. When cutting the stringer for the last step, remember to account for the thickness of the stone, the membrane, and the plywood. These typically adds to $1\frac{3}{4}$ " (Example: if we use $1\frac{3}{4}$ " then the rise for your last step should decrease by the same, $6\frac{7}{8}$ " minus $1\frac{3}{4}$ " equals $5\frac{1}{8}$ " for the last rise)
6. Then install each stringer to the deck frame and cover with plywood.

Sides

There are many different siding options that will work and look great with a stone deck. This details a common method using a 4' x 8' sheets made from materials like plastic lattice, wood or concrete fiber board.



1. Install a vertical stud to the back of the joist/rim board every 2' on centre all around the deck.
2. Attach horizontal boards to the stud such that they both run parallel and sit flush to the joist/rim board and are also spaced 2' on centre.
3. Install a bracer board that attaches to the bottom horizontal board and back to the deck at an angle.
4. Install the sheets to the horizontal boards ensuring the bottom is at the desired height and top sits above the deck.
5. Cut the top to be flush with the top of the plywood. This cut does not have to be very perfect as it will be covered.

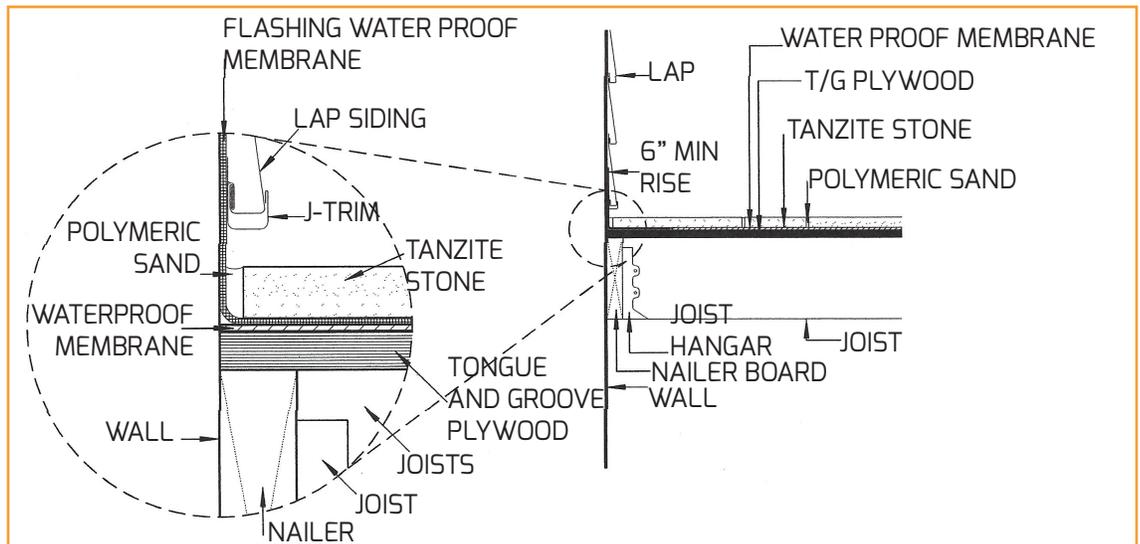
Water Protection

First determine how to complete the water protection at the house, there are three standard methods. There also many other water protection methods that can also work well.

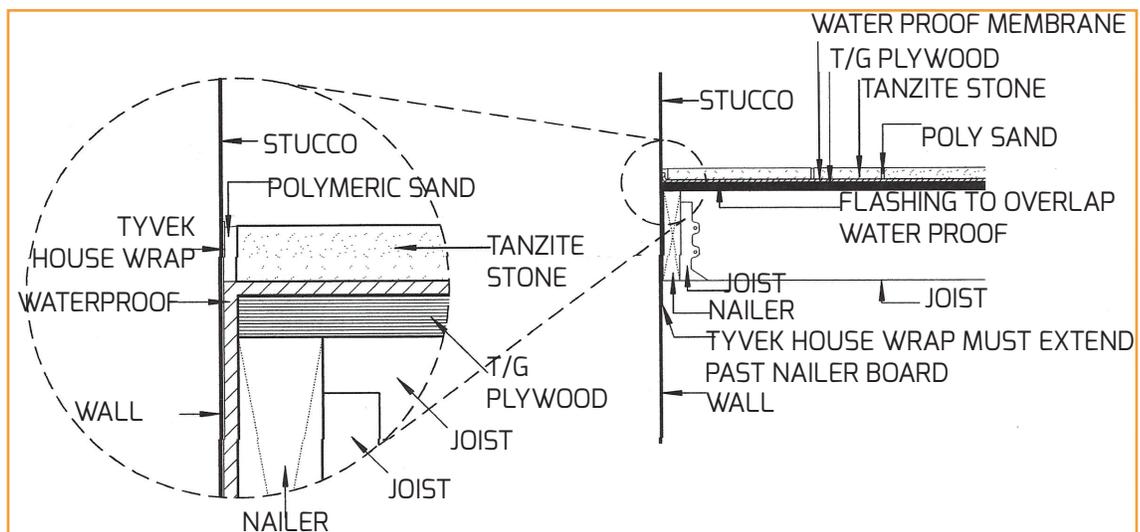


1.
 - a. If you have access to the house wall (a house with siding that can be removed and reinstalled) Then run EPDM 6+ inches up the wall and cover over with siding. **SEE DETAIL 1a**
 - b. If there is Flashing installed on the house the seal the EPDM to the existing flashing.
 - c. If it is not practical to seal to the house then instead run the EPDM leaving a slight gap before the house so that water does not collect. **SEE DETAIL 1c**

DETAIL 1A



DETAIL 1C





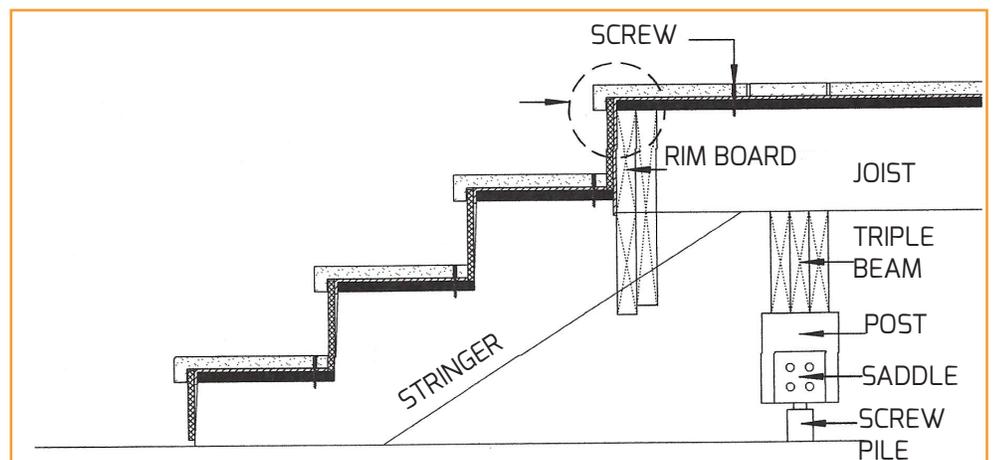
2. Place a full piece of EPDM roofing membrane of the wooden structure and fit into place. Do not cut.
3. Run the edge of the membrane up the side of the house 6 or more inches and attach to the house at the top of the membrane. Do not attach at the corner.
4. Flatten to ensure there are no wrinkles.
5. If you will need to seam two pieces of EPDM then snap a chalk line at the edge of the first membrane. Use a planer to plane down the plywood by the thickness of one membrane and the seam tape. This will allow the seam to sit flush in the groove created to ensure the stone does not have a bump in it. [SEE DETAIL 5](#)

6. Typically you can use waste material for the steps. Cut a piece of membrane for each step ensuring is a foot longer and wider than needed. [SEE DETAIL 6](#)
7. Lay each piece of membrane on the step so that there is extra on all sides. Then attach the membrane to the stair risers ensuring the higher step membrane overlaps the lower.
8. Do not cut excess membrane until after the stone is installed. [SEE DETAIL 8/9](#)

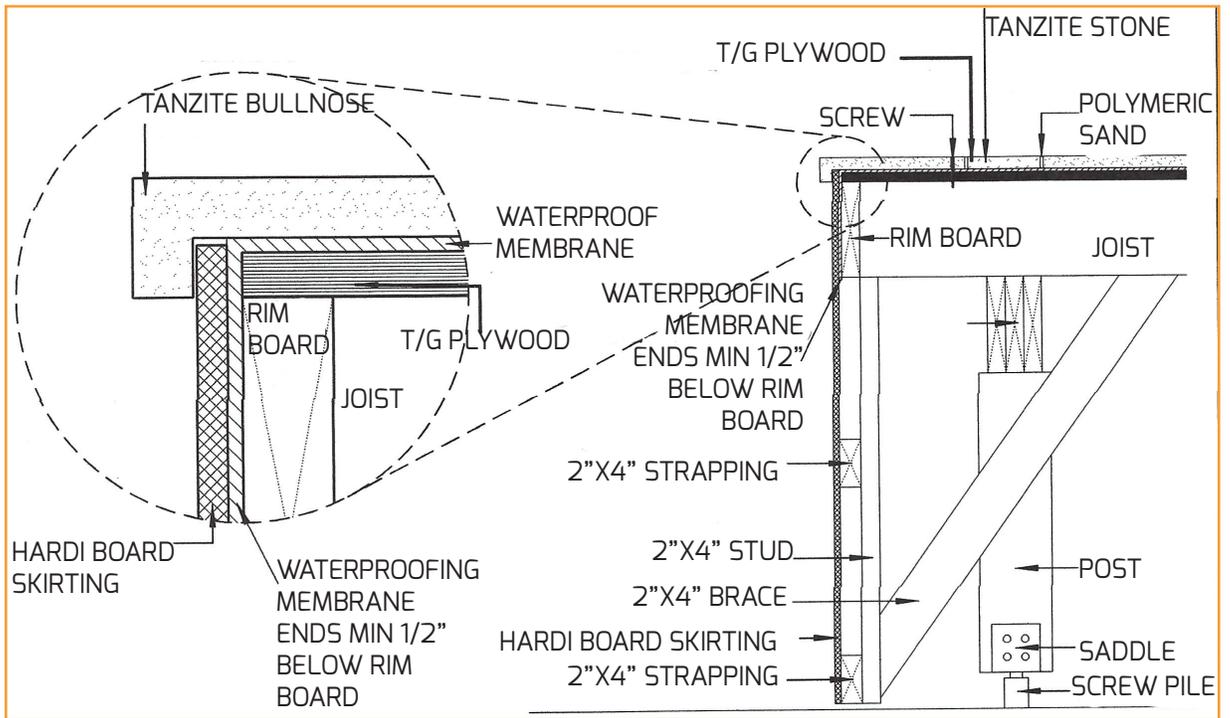
DETAIL 5



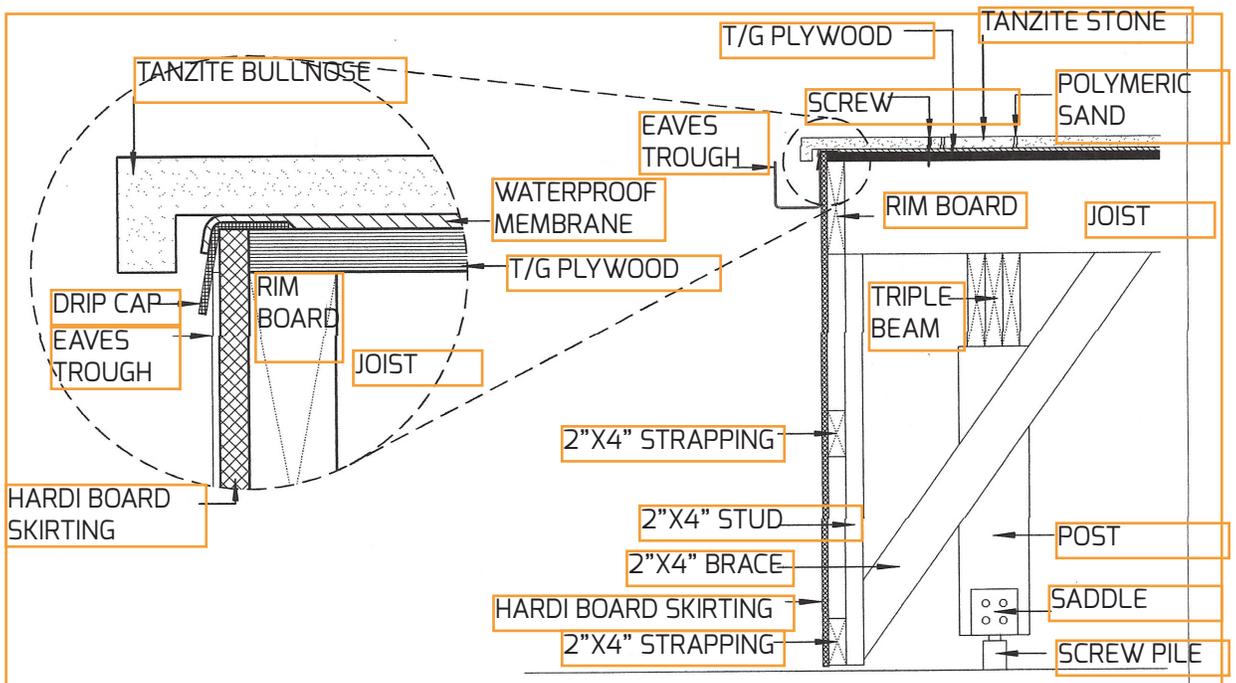
DETAIL 6



DETAIL 8



DETAIL 9



Tanzite Stone



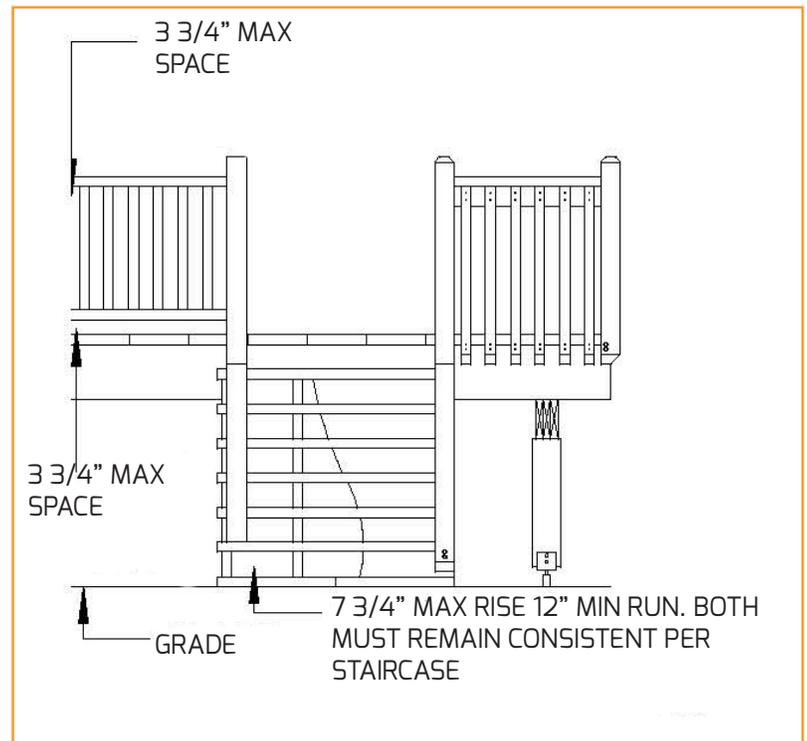
1. First lay the edge stones along the house to ensure the membrane is not tensioned. Then again ensure the membrane is flat with no wrinkles
2. Install all the edge and corner stones. First place a small amount of sealant into each pre-drilled hole in the stone. Then screw each edge stone to the wood structure. Only use stainless screws as the Tanzite is so hard that it will strip the coating off a metal screw leading it to rust.
3. Install all the Tanzite stones on the steps, same as step 2.
4. Install all the Tanzite stone, laid in the desired pattern. (Tip: use a dolly with a ramp to cart the stone onto the deck)
5. Cutting the Tanzite stone can be done with a tile breaker, tile saw, or a saw with a diamond blade. The Tanzite edge stones should only be cut with a saw that has a diamond blade. (Tip: often you can adjust the size of the deck slightly to match the size of the Tanzite stone to avoid the need to cut)
6. Then check over all the stone to ensure they are sitting flat and straight.



Railing



1. Determine the location of each railing post and the mark the hole locations on the stone.
2. Pre-drill each hole using a diamond hole saw. Do not use a masonry bit. (Tip: using a ring around the hole can then hold water to keep the drill bit cool, extending the bit's life)
3. Fill each pre-drilled hole with sealant prior to drilling the post screw into the wooden structure
4. Then complete the railing as per manufacturer's specifications



Polymeric Sand



1. Check the weather forecast to ensure temperature will not dip below freezing overnight and that it will not rain for 24 hours.
2. Sweep the polymeric sand into all the gaps of the stone. It is not important to fill any gap between the screwed down edge stones, this is why they don't have spacers.
3. Tap the stones with the broom to ensure the gaps are filled. Then sweep/blow off any excess.
4. Wet the polymeric sand. The trick here is to wet it as much as possible without any water running across the surface. (Tip: a spray bottle provides better control but a garden hose is quicker)

HOW TO COVER AN EXISTING DECK

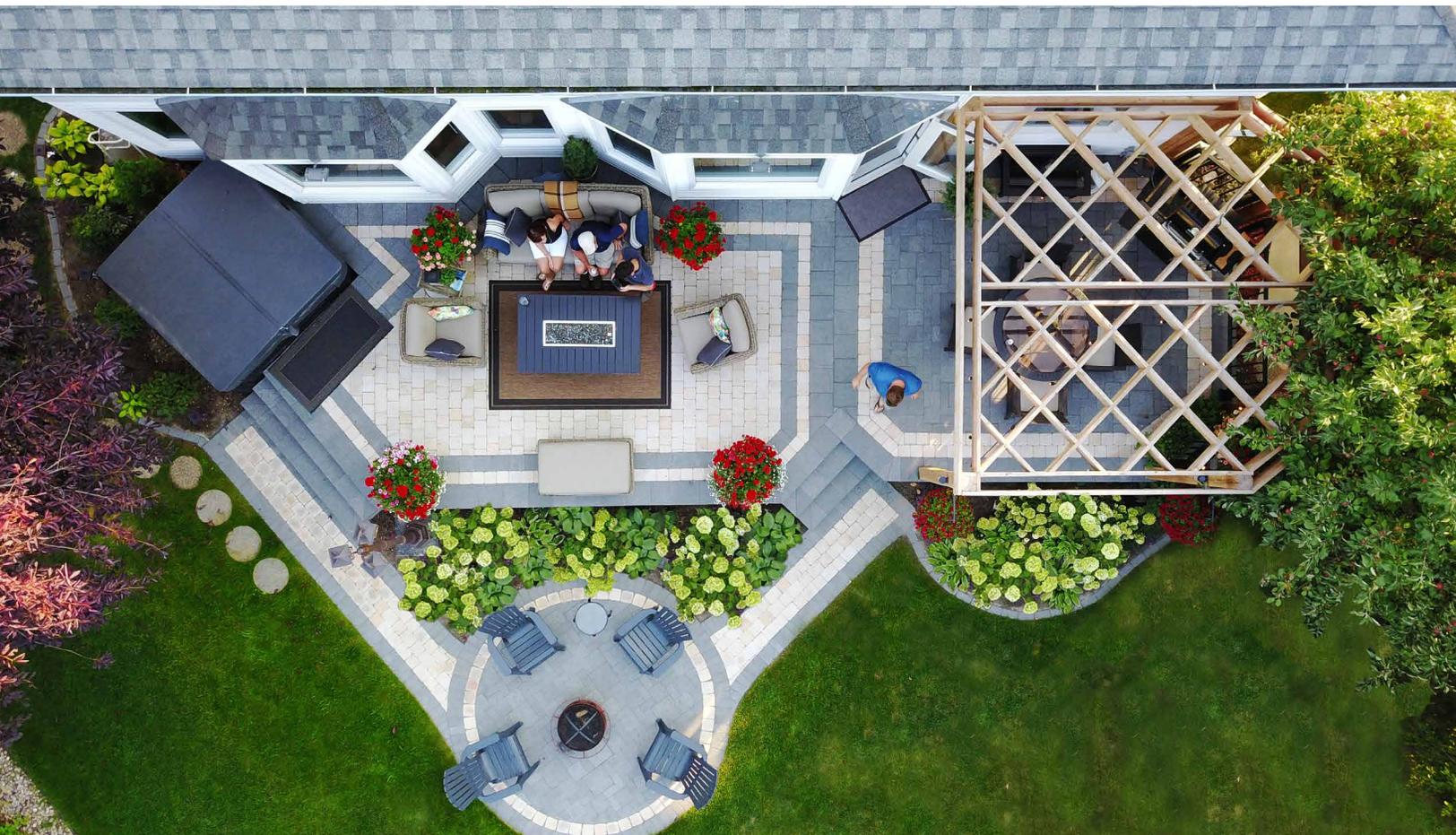
Determine suitability

1. Check that you will have enough room between the top of the deck and the door threshold for the stone to fit.
2. Ensure the deck is structurally sound
3. Determine if the deck has a slight slope, or if a slope can be added.

Adjust slope

If the deck does not have a slight slope it is normally easy to add one. You should drop 1/8" to 1/4" per foot for proper drainage of the deck. There are many ways to adjust the slope that will work, detailed here is a method that will commonly work.

1. Use a temporary post and place it next to a current deck post set on a jack
2. Lift the deck until the existing post can be removed
3. Cut the post shorter to achieve the desired slope and replace
4. Then lower the deck down onto the cut post and repeat for each post of the deck.



Water Protection

First determine how to complete the water protection at the house, there are three standard methods. There also many other water protection methods that can also work well.



1.
 - a. If you have access to the house wall (a house with siding that can be removed and reinstalled) Then run EPDM 6+ inches up the wall and cover over with siding.
 - b. If there is Flashing installed on the house the seal the EPDM to the existing flashing.
 - c. If it is not practical to seal to the house then instead run the EPDM leaving a slight gap before the house so that water does
2. Place a full piece of EPDM roofing membrane of the wooden structure and fit into place. Do not cut.
3. Run the edge of the membrane up the side of the house 6 or more inches and attach to the house at the top of the membrane. Do not attach at the corner.
4. Flatten to ensure there are no wrinkles.
5. If you will need to seam two pieces of EPDM then snap a chalk line at the edge of the first membrane. Use a planer to plane down the plywood by the thickness of one membrane and the seam tape. This will allow the seam to sit flush in the groove created to ensure the stone does not have a bump in it.
6. Typically you can use waste material for the steps. Cut a piece of membrane for each step ensuring is a foot longer and wider than needed.
7. Lay each piece of membrane on the step so that there is extra on all sides. Then attach the membrane to the stair risers ensuring the higher step membrane overlaps the lower.
8. Do not cut excess membrane until after the stone is installed

Tanzite Stone



1. First lay the edge stones along the house to ensure the membrane is not tensioned. Then again ensure the membrane is flat with no wrinkles
2. Install all the edge and corner stones. First place a small amount of sealant into each pre-drilled hole in the stone. Then screw each edge stone to the wood structure. Only use stainless screws as the Tanzite is so hard that it will strip the coating off a metal screw leading it to rust.
3. Install all the Tanzite stones on the steps, same as step 2.
4. Install all the Tanzite stone, laid in the desired pattern. (Tip: use a dolly with a ramp to cart the stone onto the deck)
5. Cutting the Tanzite stone can be done with a tile breaker, tile saw, or a saw with a diamond blade. The Tanzite edge stones should only be cut with a saw that has a diamond blade. (Tip: often you can adjust the size of the deck slightly to match the size of the Tanzite stone to avoid the need to cut)
6. Then check over all the stone to ensure they are sitting flat and straight.

Railing

Your existing railing can simply be removed and then reinstalled after installing the Tanzite stone.



1. Determine the location of each railing post and the mark the hole locations on the stone.
2. Pre-drill each hole using a diamond hole saw. Do not use a masonry bit. (Tip: using a ring around the hole can then hold water to keep the drill bit cool, extending the bit's life)
3. Fill each pre-drilled hole with sealant prior to drilling the post screw into the wooden structure
4. Then complete the railing as per manufacturer's specifications

Polymeric Sand



1. Check the weather forecast to ensure temperature will not dip below freezing overnight and that it will not rain for 24 hours.
2. Sweep the polymeric sand into all the gaps of the stone. It is not important to fill any gap between the screwed down edge stones, this is why they don't have spacers.
3. Tap the stones with the broom to ensure the gaps are filled. Then sweep/blow off any excess.
4. Wet the polymeric sand. The trick here is to wet it as much as possible without any water running across the surface. (Tip: a spray bottle provides better control but a garden hose is quicker)



AFTER

HOW TO INSTALL ON THE GROUND

Excavation

1. Excavate the area down to the native soil, minimum of 6”.
2. Adjust the soil to be at the desired slope. You should drop 1/8” to 1/2” per foot for proper drainage of the deck (Tip: install a stringline to the desired finished height of the deck to use as reference)

Base

1. Compact the existing native soil.
2. Add a base material (Example, 3/4” crushed gravel) material to be 1” - 1 1/2” below the finished grade.
3. Compact the base material

Preparation



1. Cover the base material with fine rock material. (Example: sand)
2. Smooth the fine rock material to be 3/4” below the desired finished height.
3. Check again for proper slope.

Edging



1. Install a Snap Edging (or similar) plastic edge border around the perimeter. The top edge of the plastic should only extend above the prepared base 3/4”.
2. Then use 10” galvanized spikes to secure the plastic border.

Tanzite Stone

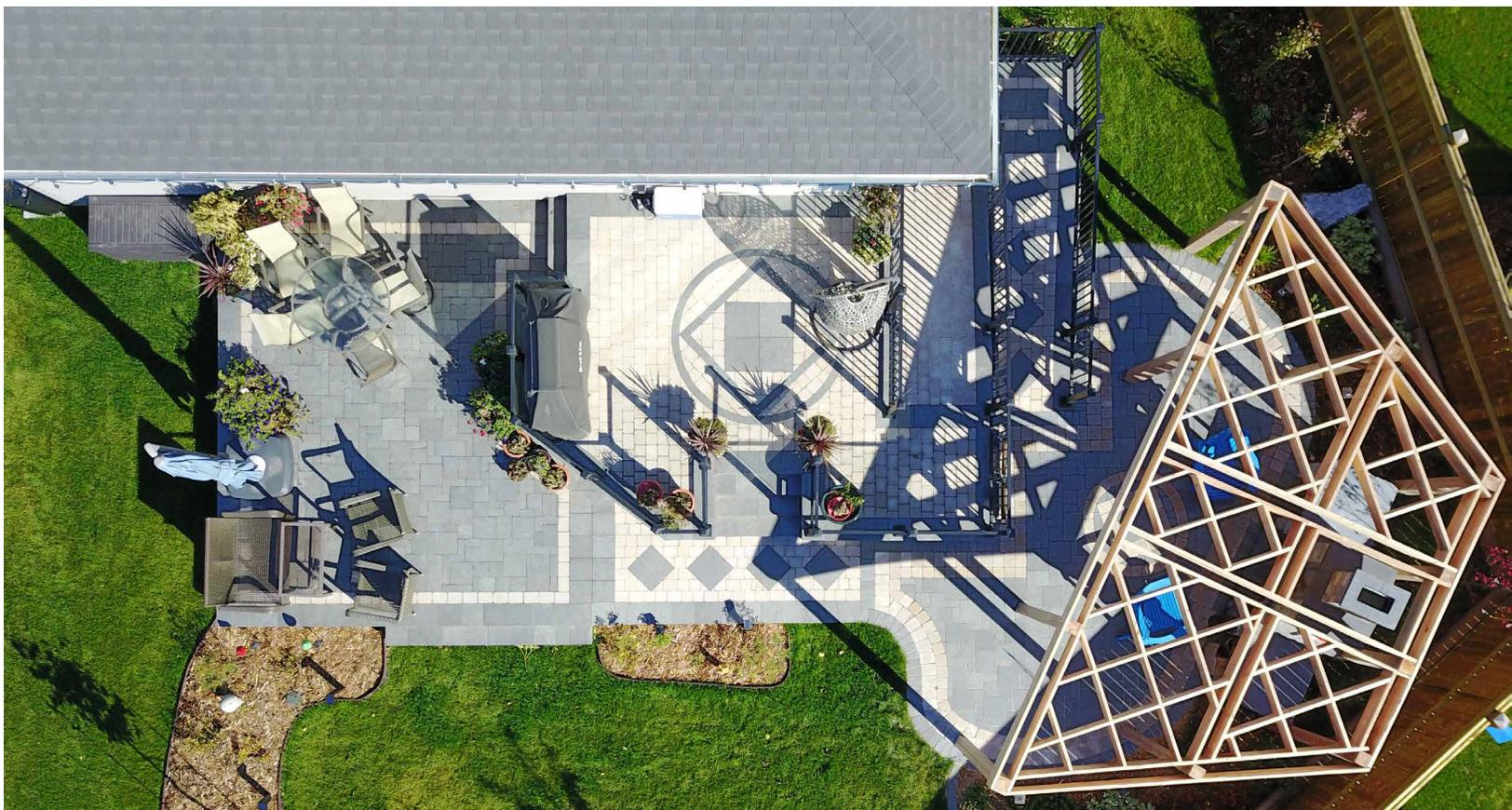
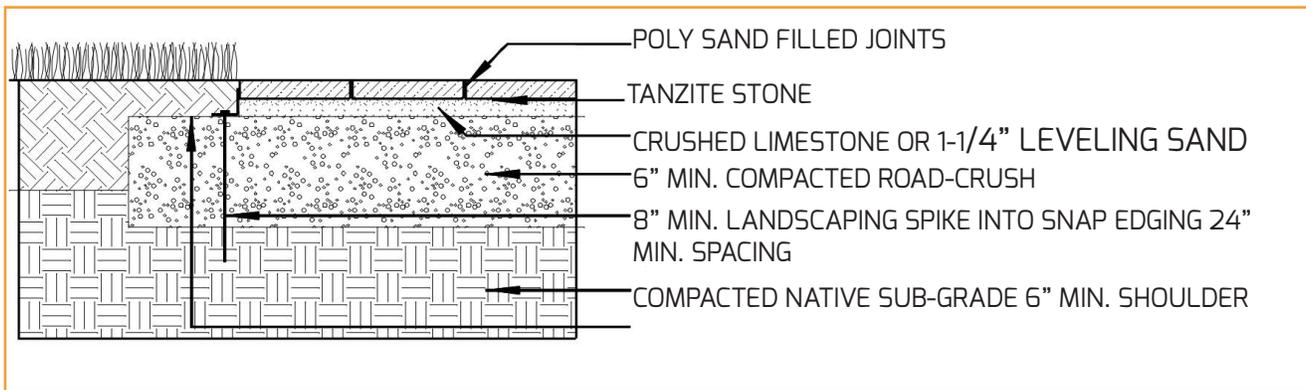


1. Install all the Tanzite stone, laid in the desired pattern.
2. Cutting the Tanzite stone can be done with a tile breaker, or a tile saw, or a saw with a diamond blade. (Tip: often you can adjust the size of the deck slightly to match the size of the Tanzite stone to avoid the need to cut)
3. Then check over all the stone to ensure they are sitting flat and

Polymeric Sand



1. Check the weather forecast to ensure temperature will not dip below freezing overnight and that it will not rain for 24 hours.
2. Sweep the polymeric sand into all the gaps of the stone. It is not important to fill any gap between the screwed down edge stones, this is why they don't have spacers.
3. Tap the stones with the broom to ensure the gaps are filled. Then sweep/blow off any excess.
4. Wet the polymeric sand. The trick here is to wet it as much as possible without any water running across the surface. (Tip: a spray bottle provides better control but a garden hose is quicker)



HOW TO COVER EXISTING CONCRETE

Determine suitability

Check that there will be enough room between the top of the deck and the door threshold for the stone. Also ensure that the concrete is structurally sound.

Tanzite Stone Edge

If the concrete is elevated then you need to use the Tanzite edge and corner stones.



1. Install all the Tanzite edge and corner stones. First mark the location of pre-drilled holes in the Tanzite stone onto the concrete surface.
2. Pre-drill the concrete at each hole location and insert a plastic screw anchor.
3. Then screw each edge stone into the concrete. Only use stainless screws as the Tanzite stone is so hard that it will strip the coating off a metal screw, leading it to rust.
4. Install all the Tanzite stones on the steps, same as above. Installing on ground level concrete.

If the concrete is at ground level then you **DO NOT** need to use the Tanzite edge and corner stones.



1. First install a Snap Edging (or similar) plastic edge border around the perimeter of the concrete. The top edge of the plastic should only extend above the concrete $\frac{3}{4}$ ".
2. Then use 10" galvanized spikes to secure the plastic border.

Tanzite Stone



1. Use polymeric sand, or concrete filler, to fill any defects in the concrete to smoothen the surface as needed.
2. Install all the Tanzite stone, laid in the desired pattern. (Tip: use a dolly with a ramp to cart the stone onto the deck)
3. Cutting the Tanzite stone can be done with a tile breaker, a tile saw, or a saw with a diamond blade. The Tanzite edge stones should only be cut with a Tile saw, or a saw with a diamond blade. (Tip: often you can adjust the size of the deck slightly to match the size of the Tanzite stone to avoid the need to cut)
4. Then check over all the stone to ensure they are sitting flat and straight. You can adjust them as needed using Polymeric sand as a shim.
5. Wet the polymeric sand and let sit for 24 hours before proceeding.

Polymeric Sand



1. Check the weather forecast to ensure temperature will not dip below freezing overnight and that it will not rain for 24 hours.
2. Sweep the polymeric sand into all the gaps of the stone. It is not important to fill any gap between the screwed down edge stones, this is why they don't have spacers.
3. Tap the stones with the broom to ensure the gaps are filled. Then sweep/blow off any excess.
4. Wet the polymeric sand. The trick here is to wet it as much as possible without any water running across the surface. (Tip: a spray bottle provides better control but a garden hose is quicker)



MAINTENANCE

- Cleaning can be done with soap and water, you can even use a pressure washer!
 - Just try not to spray directly into the joints as the polymeric joining sand is not as hard as the granite stone.
 - Cleaning tough grease or oil might need some heavy duty degreaser. You can even use a heavy duty engine degreaser without worrying about the stone.
- The polymeric joining sand may need to be topped up, or segments can come out.
 - This can easily be repaired by seeping in some extra polymeric sand when it is dry. Once filled, just soak using a spray bottle and let sit for 24 hours.
- We recommend checking the structure, railing, and deck edge stone yearly to ensure they are all fastened and secure.



FAQ'S

Q What kind piles should I use for my deck?

A As a standard, we suggest using screw piles on all decks, however this may change to fit your local building codes.

Q Do I have to get a permit for my deck?

A We recommended contacting your local building authority to determine which, if any, permit may be required.

Q Should all my steps be the same height?

A All of your steps should be within 1/4" of each other, aside from the step that meets the ground, as the ground may be uneven.

Q What kind of fastener should I use?

A The edge and stair stones are screwed down through the surface. The center stones are held in place by gravity, and the friction of the other stones, which is enhanced by the polymeric joining sand. To prevent rust we recommend using stainless steel screws for this stone.

Q Will the stones heat up in the sun?

A The sunlight will heat up the stone, and the darker the stone the more pronounced this effect may be. However, because the stone is so dense it will take longer to heat up than a similarly coloured composite or wood decks.

WARRANTY

Tanzite Limited Warranty

Product

Tanzite Stone decking tiles
[the “Product”]

For clarity, this warranty specifically excludes all products that are not stone decking tiles even if those products are sold by the Manufacturer.

Warranty

Green Tree Eco-Friendly Services Ltd. [the “Manufacturer”] subject to the terms and conditions set out below warrants the Product is manufactured in accordance with ANSI A137-1-2017 standards at the time of purchase. This warranty is given in lieu of any other warranty, express or implied. There are no warranties, express or implied of merchantability, fitness for any particular purpose or location, or that the Product will not scratch chip or show signs of normal wear and tear. There are no warranties, express or implied, including warranties based on samples or oral statements, which extend beyond the description on the face of this document. No person or entity has authority to make statements or representations respecting the quality, fitness, performance or suitability of the Product other than those set forth in this warranty, and any and all representations or statements made in connection with the sale or manufacture of the Product or otherwise by the any person or entity other than the Manufacturer that differs from the terms of this warranty are not binding upon the Manufacturer.

Transferability

This limited warranty is not transferable or assignable except as expressly stated below.

Individual Residence Application

With respect to an installation of the Product on an individual residence, this warranty may be transferred one (1) time within the five (5) year period beginning from the date of the original purchase by the original end user purchaser of the Product to a subsequent buyer of the property upon which the Products were originally installed, and to avoid doubt all subsequent buyers or buyers that acquire outside of the time period acquire the Product “as is”.

Commercial Application [NOT an Individual Residence]:

With respect to an installation of the Product at a location other than on an individual residence, this warranty can be transferred one (1) time by the original end user purchaser of the Product to a subsequent buyer of the property upon which the Products were originally installed, and to avoid doubt all subsequent buyers acquire the product “as is”.

Term for Commercial Application [NOT an individual residence]:

With respect to an installation of the Product at a location other than on an individual residence, the term of this warranty starts from the date of purchase of the product and ends twelve (12) years after the date of purchase of the Product.

EXCLUSIONS FROM WARRANTY COVERAGE AND LIMITING OF LIABILITY:

Product Installation:

The Product must be installed in accordance with industry standards and the Manufacturer's Tanzite Owner's Manual, and Manufacturer's written specifications for installations including but not limited to industry standards, such as, but not limited to waterproofing, crack isolation, substrate requirements, movement and expansion joints. This also includes requirements such as checking before installation that the Product has no defects, the Product is fit for purpose, checking for sufficient quantities of the Product of the same batch are supplied, proper blending of the variation of colors of the Product supplied, correct sealing of the Product, and compliance with the Manufacturer's Tanzite Owner's Manual, and Manufacturer's written specifications and industry standards for installation, maintenance and repair. If a defect is identified in the Product before installation, the Product shall not be installed, as installation of Product with defect identified before installation or visual defects or nonconformities apparent prior to installation voids this warranty. Once the Product has been installed, the Manufacturer is not liable for color matching or blending or for the replacement of tiles with obvious visual faults. Water; oil, grease, and other substances create slippery conditions, and the Manufacturer is not responsible for and makes no express or implied warranty respecting the suitability or fitness for any purposes including but not limited to floor applications in or with slippery conditions. Damage during or after installation and installation defects are not covered by this warranty, and this warranty does not apply when deterioration results from the Product not being suitable for the intended use, a design or installation not complying with applicable codes, standards and recognized work procedures, or if the installation the Manufacturer's Tanzite Owner's Manual, and Manufacturer's written specifications have not been followed. Damage or cracking due to structural movement, collapse or settling of the ground or supporting structure, excessive deflection or other failure in the substrate, normal wear and tear, damage or defects caused by incorrect installation, lack of proper maintenance, accidents, abuse or misuse are excluded from coverage under this warranty. Defective installation such as but not limited to any substrate repair material or any accessory products such as crack and expansion joint fillers; weak concrete and masonry substrates, substrate or sub-floor irregularities; substrate or subfloor deterioration; bottom-up staining or discoloration due to mold, mildew or bacterial growth; soluble salts or solvents, efflorescence; natural color variations; color fading due to sunlight or normal traffic wear; installations that experience excessive moisture and/or alkali; improper maintenance; grout performance; freight, material and labor costs.

Lippage:

Lippage refers to differences in elevation between edges of adjacent tile modules. The perception of height variances is influenced by a number of factors, including thickness variations between tiles, allowable warpage of the tile modules, grout joint width, the angle of light creating shadows and highly reflective surfaces accentuating otherwise acceptable variance in modules. After installation when lippage is present in an installation there is no way to correct it. To eliminate or address lippage, the proper preparation of the base and installation of the Product is required by skilled professionals. Lippage is an installation defect and not covered by this warranty.

Fire, Smoke and Heat:

The Product is tested for flame spread, creation of smoke or other types of fire ratings, and direct or indirect contact with heat sources may cause damage the surface of the Product which is excluded from coverage under this warranty.

Sufficient Quantity of Product:

Purchasing an additional quantity of 5%-15% of Product is recommended to allow for replacement of Product which is damaged during or after installation. The Manufacturer does not guarantee the availability of replacement Product of the same colour or pattern after the time of purchase. Product with visible defects should not be installed.

Variations:

Variation in veining, fissures, pits, texture, color and shade are inherent characteristics of all tiles of this nature, and will vary from tile to tile as well as from lot to lot, depending on the Product selected. The Manufacturer does not warrant the Product for shade, size, thickness, warping, cleft variations, surface finish variations, or other natural variances on the Product. An inherent characteristic of all tiles manufactured as the within Products are, is that they will bow, wedge and warp to a certain degree and may slightly vary in size from batch to batch. These variations in size and color are due to changes in moisture and thermal loads which can alter the tiles during production. Batches of tile are identified and separated into lots by specific shade and caliber. Product samples are representative only and may not be an exact match to supplied materials due to variations in manufacturing and the natural raw materials making the Product. Photographic color images may not be an exact product match the supplied Product as the supplied Product may have slight differences in color, shade, and/or surface appearance. The Manufacturer's website, marketing literature and promotional materials may not represent the true nature of the Product.

Maintenance and Cleaning:

The Product must be properly maintained and cleaned in accordance with the Manufacturer's Tanzite Owner's Manual, and Manufacturer's written specifications and industry standards. Failure to regularly and properly clean and maintain the Product will void this warranty, including but not limited to failing to reapply a surface coating and sealant as the case may be pursuant to the Manufacturer's Tanzite Owner's Manual, and Manufacturer's written specifications and industry standards. The Product contains abrasives creating a rough surface, and cleaning challenges because dirt and other contaminants lodge in the surface. Extra attention is necessary to assure contaminants are removed promptly. To prevent staining within ten (10) days of exposure any and all mold, mildew, beverages should be removed and the Product cleaned pursuant to the Manufacturer's Tanzite Owner's Manual, and Manufacturer's written specifications, and for clarity the Product should not be in contact with any toxic substances, acids, bases, greases or other substances that will damage its surfaces.

Normal Wear and Tear:

This warranty does not cover normal wear and tear and any other problem that is caused by conditions, malfunctions, or damage not resulting from defects at the time of purchase in the manufacturing of the Products in accordance with ANSI A137-1-2017 standards.

Rust:

It is not uncommon to see rust appear in certain tiles. Rust appears when the metal minerals form the natural raw materials used to manufacture the Products react to water or humidity in the air, and to prevent the appearance of rust the tiles be properly must sealed before installation, after installation and as otherwise required by the Manufacturer's Tanzite Owner's Manual, and Manufacturer's written specifications failing which rust is not covered by this warranty.

Weatherproofing and Surface Coating:

Proper surface coating and waterproofing is required where the Product will be exposed to weathering, water, sunlight, exposure to salts, acids or bases, high traffic or is in contact with water. In conditions where there is frequent exposure to water, including but not limited to, rain or ice melting on the Product or water from nearby structures such as a roof, gutter, downspouts or drains, proper sealing and waterproofing methods is required, because when used in wet applications, water marks and rings when exposed to moisture, acids or bases for extended periods of time may appear and are excluded from this warranty. These watermarks or etchings can be caused by a number of factors, and commonly is a reaction of the sealer being exposed to water for prolonged periods, or a reaction of the Product to salts, acids or bases. It is mandatory to re-finish the surface coating every ten (10) years or more for high traffic areas pursuant to the Manufacturer's Tanzite Owner's Manual, and Manufacturer's written specifications and industry standards. Applying of paint or any other coating materials other than the weatherproofing and surface coating as required by the Manufacturer's Tanzite Owner's Manual, and Manufacturer's written specifications will void this warranty.

Efflorescence:

Efflorescence can be a common occurrence in tiles when they are exposed to moisture and it is not considered a defect of the product. The source of the problem must be identified before cleaning or replacing the tile as these occurrences can be install related and a replacement installation may be subject to the same effect. Efflorescence is a concentration of soluble salt trapped in the tile that will appear cloudy and white as water passes through the tile. It is common in hot climates where the water escapes from the stone quickly, leaving a trace of salt closer to the surface. This effect may also expose itself as foam coming out of the surface of the tile and is a natural occurrence as a result of moisture transmission.

Impacts and Abrasions:

The warranty does not apply to normal wear and tear, spalling or other breakage or damage that may be caused by impact, abrasion or inappropriate or inadequate live loads. For clarity, the damage caused by impacts, abrasions or inappropriate or inadequate live loads including but not limited to metal shovels, Shovels with metal edges, ice chippers and other snow removal and ice removal devices are excluded from coverage. Never allow an objects to fall or otherwise causing an inappropriate load on the Product or use metal shovels or any other sharp-edged tools on the surface of the Product including but not limited to removal of snow and ice of the Product as such damage or puncturing to the surface of the Product is not covered by this warranty. For clarity, wear and tear, spalling or other breakage or damage that may be caused high traffic or the exposure to snow and removal of snow may accelerate wear and tear and is excluded under this warranty.

Salts and Snow and Ice Removers:

The Product is not guaranteed against the effects of sodium chloride (NaCl), calcium chloride (CaCl), other salts, and other chemical snow and ice removers used to remove snow and ice from the Product, and their use may accelerate wear and tear and make visible changes in the surface texture of the Products which is not covered by this warranty.

Misuse of the Product:

The misuse including but not limited to accidents, negligence, physical or chemical abuse or other damage to the Products that may result from deliberate act or negligence on the part of the customer, buyer, owner of the property where the Product is installed, installer or any third party is not covered by this warranty. The improper handling, storage, abuse or neglect of Product on the part of the customer, buyer, owner of the property where the Product is installed, installer or any third party is not covered by this warranty.

Acts of God, Ordinary Wear and Tear, Intentional or Negligent Acts:

This warranty does not apply to any damage resulting from or related to an act of God [including but not limited to flooding, tornado, strong winds, storms, fire, lightning, earthquake etc.]; environmental conditions and atmospheric conditions [air borne pollutants and contaminants]; staining from foreign substances [acids, bases, chalk, dirt]; normal weathering including but not limited to exposure to sunlight, wind, rain, weather, environmental conditions and atmospheric conditions] will cause the Product color to gradually fade; fire; vandalism; ordinary wear and tear; improper handling, storage, abuse or neglect of the Product or other damage to the Products that may result from deliberate act or negligence on the part of the customer, buyer, owner of the property where the Product is installed, installer or any third party.

Applicable Building Codes:

Applicable building codes and laws may dictate minimum the Product performance specifications, and the Manufacturer does not warrant the Product where the use or installation of the Product violates applicable building codes and laws.

Limiting of Liability:

At the time of manufacturing, the Product achieves the necessary values for the ANSI A137.1-1988 standards. Tests are performed on random samples of the Product by an independent testing laboratory and are believed to be representative of the general quality of the Product. There is no guarantee by the Manufacturer that these exact results will be guaranteed on each and every tile or part of the Product. The Product is subject to variation in technical specifications, including floor slip resistance, due to inherent variability in the raw materials and production process, and express technical specifications are not guarantees of minimum or maximum thresholds of performance. The Manufacturer extends no warranties or guarantees, expressed or implied, as to slip resistance, wear-time period, gloss or maintenance procedures. To the fullest extent permitted under the law, under no circumstances will the Manufacturer be liable for incidental or consequential damages, whether such damages are sought in contract, in tort (including but not limited to negligence and strict liability) or otherwise, and the Product liability for non-personal injury claims with respect to products shall in no event exceed the replacement of such defective products or refund as set forth herein. Some States or Provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from State to State or Province to Province.

PROCEDURE FOR MAKING A CLAIM AND LIMITS ON LIABILITY:

To make a claim under this limited warranty, you must notify the Manufacturer in writing within fifteen (15) days of the discovery of the alleged manufacturing defect to the following address:

Green Tree Eco-Friendly Services Ltd.
5925 104 Street Edmonton, AB, T6H 2K5
Or by email to:
Warranty@StoneDecks.com

As a condition of this warranty the following must be provided with to the Manufacturer with written notice of a claim, failing which this warranty is voided and the Manufacturer released from any and all liability for the defect or the claim:

- i. provide satisfactory evidence of defects in the tiles purchased, including but not limited to , a description and photographs of the affected area of the Product,
- ii. proof of purchase or assignment from the original end-user purchaser;
- iii. proof of identity showing current address,

As a condition of this warranty proof of use, installation and maintenance and care pursuant to the Manufacturer's Tanzite Owner's Manual, and Manufacturer's written specifications and industry standards must be provided to the Manufacturer upon its request, failing which this warranty is voided and the Manufacturer released from any and all liability for the defect or the claim.

If a claim relating to the a manufacturing defect and the improper staining of the Product, in addition to the foregoing, the following must be complied with prior to providing a written notice of a claim to the Manufacturer, failing which this warranty is voided and the Manufacturer released from any and all liability for the defect or the claim:

- i. the affected area of the Product must be cleaned in accordance with the Manufacturer's Tanzite Owner's Manual, and Manufacturer's written specifications, soap and water or mild household cleaners within three (3) days of exposure of the food or beverage to the surface or first appearance of the mold and mildew.
- ii If the affected area remains reasonably unsatisfactory after the affected area of the Product has been cleaned as set forth above, then the affected area of the Product must be professionally cleaned at the sole expense of the party making the claim or contemplating a claim.
- iii. If the affected area remains reasonably unsatisfactory after the professional cleaning, a claim may be made claim under this warranty, provided that such claim is made within thirty (30) days after the professional cleaning

If a valid warranty is made, recovery the Manufacturer at its complete discretion by any of the following:

- i. Replacement of a portion of defective Product with same or equivalent product (with the cost for freight, labor, materials and costs for installation, maintenance or replacement not being covered by this warranty) as calculated below;
- ii. Repair or re-polish of the defective Product;
- iii. Refund a pro-rated portion of the original purchase price paid by for such defective Product (but not including the cost for freight, labor, materials and costs for installation, maintenance or replacement of the Product) as calculated below;
- iv. Combination of the above,

provided that the Manufacturer's obligation are limited only to Product or parts of the Product that are proven to be defective pursuant to the terms of this warranty and the Manufacturer.

If a valid warranty claim hereunder is made, the percentage of such valid claim which the Manufacturer is required in its complete discretion to refund or replace pursuant to this warranty shall commencing eleventh (11) year after the original date of purchase of the Product be reduced by five (5%) percent each year thereafter, reducing 5% each and every year thereafter until ten (10%) percent of such valid claim remains, at which time there shall be no further reduction to the percentage of the valid claims which the Manufacturer is required in its complete discretion to refund or replace pursuant to this warranty. For clarity in no event shall the Manufacturer be required to refund any more than the pro-rated portion of the original purchase price or replace more than the pro-rated portion of defective Product as calculated herein. In the event that the sole and exclusive remedy described above fails of its essential purpose, the liability of the Manufacturer is limited to the monetary value, on a square-foot (square-meter) basis, of the original purchase price of the Product or portion of the Product required to be replaced pursuant to the terms of this warranty.

To the fullest extent permitted under the law, this warranty shall not cover and the Manufacturer shall not be responsible for costs and expenses, including but not limited to labor, costs and freight, incurred with respect to the installation, maintenance or removal of the Product or affected Product or the installation of replacement materials.

The Manufacturer will not pay for replacement of any portion of the installation that is not proven to be defective.

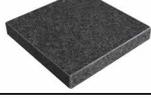
To the fullest extent permitted under the law, the costs and expenses incurred with respect to the removal and installation of the defective Product or the installation of replacement materials, including but not limited to freight, labor and materials costs are excluded from this warranty. Should the Product used in the original installation no longer be readily available, the Manufacturer reserves the right to determine a suitable substitute at its option but will only provide replacement product for the defective Product and not the entire installation.

The Manufacturer reserves the right to inspect any and all defects prior to any repair, remediation or settlement of such defect. In the event that the Manufacturer within its sole discretion elects to or is otherwise required to participate in the repair, remediation or settlement of any defect, the Manufacturer must be included in all discussions and decisions related to such repair, remediation and/or settlement. In the event that the Manufacturer is not provided notice on a timely basis, or the Manufacturer is not allowed the right of inspection, discussion or decision making in advance of repair, remediation or settlement of any defect, this warranty is voided and the Manufacturer released from any and all liability for the defect or the claim.

General Terms:

No amendment or variation of the terms, conditions warranties, covenants, agreements and undertakings set forth herein shall be of any force or effect unless the Manufacturer same shall be reduced to writing duly executed by the Manufacturer and the party purchasing the Product from the Manufacturer. Any provision in this warranty which is prohibited or unenforceable in any jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining provisions hereof or affecting the validity or enforceability of such provision in any other jurisdiction. The division of this warranty into Articles, Sections, Subsections, Schedules and other subdivisions, the inclusion of headings and the provision of a table of contents are for convenience of reference only and shall not affect the construction or interpretation of this warranty. The headings in the warranty are not intended to be full or precise descriptions of the text to which they refer.

SPECS

Part #	Size	Picture	Weight (kg)	Pieces/Pallet	Weight/Pallet	ft ² /pieces
BG15	(146+6)x(298+6) x20mm		2.04	402	840	0.5
BG30	(298+6)x(298+6) x20mm		4.13		20	1.0
BG45	(298+6)x(450+6) x20mm		6.27	208	1324	1.5
BGLS	298x298x(20+20) Bullnose		4.47	200	914	1.0
BGCS	298x298x(20+20) Corner		4.77	96	478	1.0
WG15	(146+6)x(298+6) x20mm		2.04	402	840	0.5
WG30	(298+6)x(298+6) x20mm		4.13		20	1.0
WG45	(298+6)x(450+6) x20mm		6.27	208	1324	1.5
WGLS	298x298x(20+20) Bullnose		4.47	200	914	1.0
WGCS	298x298x(20+20) Corner		4.77	96	478	1.0
CB15	(146+6)x(298+6) x20mm		2.04	402	840	0.5
CB30	(298+6)x(298+6) x20mm		4.13		20	1.0
CB45	(298+6)x(450+6) x20mm		6.27	208	1324	1.5
CBLS	298x298x(20+20) Bullnose		4.47	200	914	1.0
CBCS	298x298x(20+20) Corner		4.77	96	478	1.0

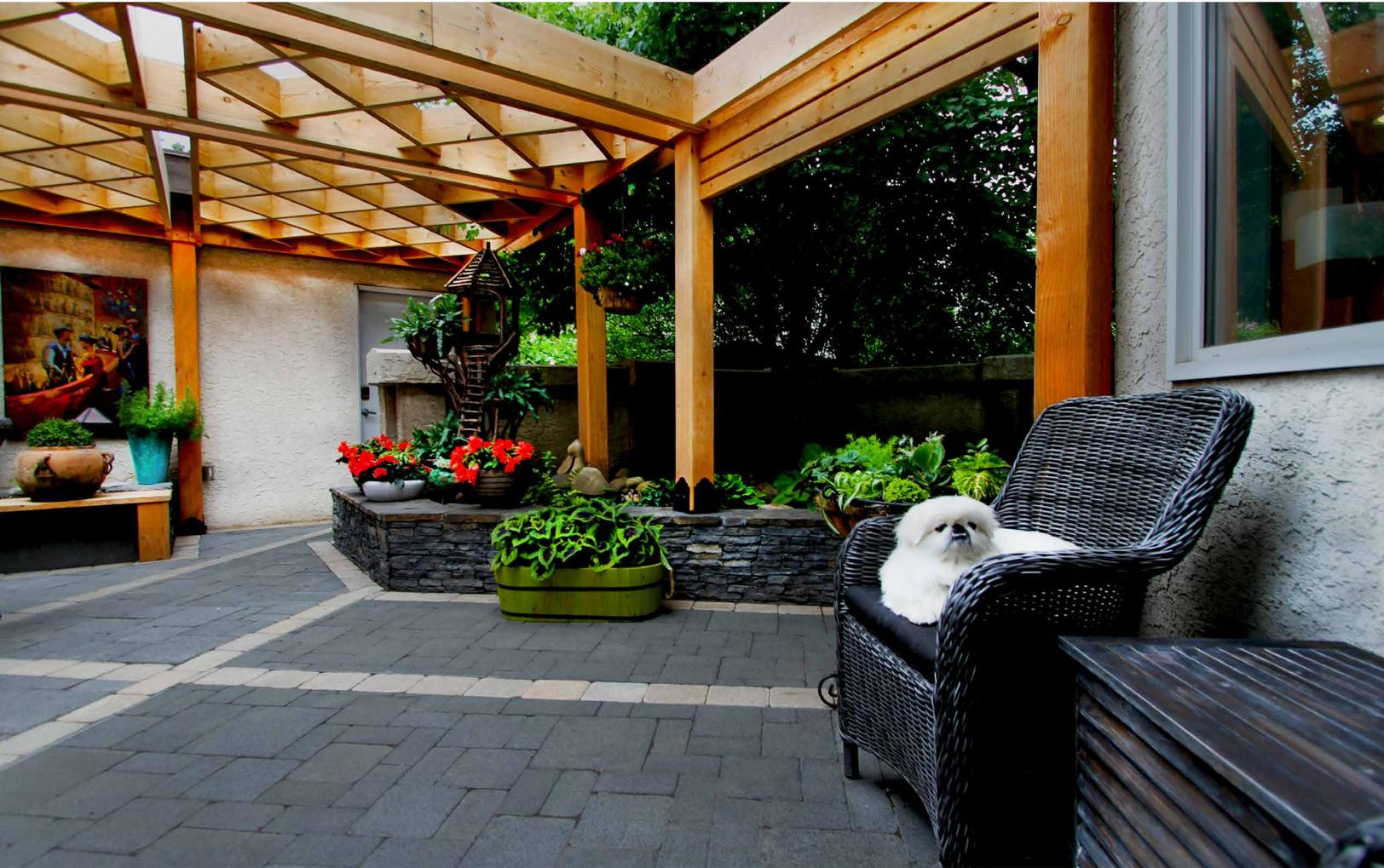
Part #	Size	Picture	Weight (kg)	Pieces/Pallet	Weight/Pallet	ft ² /pieces
SG165	(146+6)x(298+6) x20mm		2.04	402	840	0.5
SG30	(298+6)x(298+6) x20mm		4.13		20	1.0
SG45	(298+6)x(450+6) x20mm		6.27	208	1324	1.5
SGLS	298x298x(20+20) Bullnose		4.47	200	914	1.0
SGCS	298x298x(20+20) Corner		4.77	96	478	1.0
WO12	(198+6)x(1200+6) x20mm		10.90	98	1088	2.6
WOLS	1200x304x(20+20) Bullnose		17.95		20	4.0
WOCS	304x304x(20+20) Corner		4.89	96	489	1.0
WN12	(198+6)x(1200+6) x20mm		10.90	98	1088	2.6
WNLS	1200x304x(20+20) Bullnose		17.95		20	4.0
WNCS	304x304x(20+20) Corner		4.89	96	489	1.0





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info@stonedecks.ca

1-833-478-6633

stonedecks.ca
